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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

1

of

12

Complete if Known

Application Number

10/777,978

Filing Date

February 12, 2004

First Named Inventor

Stephen L. Manley

Art Unit

2161

Examiner Name _____

Leroux, Etienne Pierre

Attorney Docket Number

112056-0138U

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date _____

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Examiner Name | **Leroux, Etienne Pierre**

Sheet

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				First Named Inventor	Stephen L. Manley
				Art Unit	2161
				Examiner Name	Leroux, Etienne Pierre
				Attorney Docket Number	112056-0138U
Sheet	3	of	12		

U.S. PATENT DOCUMENTS						
Examiner Initials'	Cite No. ¹	Document Number		Name of Patentee or Applicant of Cited Document	Publication Date MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	23	Re. 34,100		Hartness	10-13-1992	
	24	4,156,907		Rawlings, et al.	05-29-1979	
	25	4,399,503		Hawley	08-16-1983	
	26	4,598,357		Swenson et al.	07-01-1986	
	27	4,688,221		Nakamura et al.	08-18-1987	
	28	4,698,808		Ishii	10-06-1987	
	29	4,761,785	B1	Clark et al.	08-02-1988	
	30	4,805,090		Coogan	02-14-1989	
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	33	4,896,259		Jacobs et al.	01-23-1990	
	34	4,899,342		Potter et al.	02-06-1990	
	35	4,989,206		Dunphy, Jr. et al.	01-29-1991	
	36	5,124,987		Milligan et al.	06-23-1992	
	37	5,155,835		Belsan	10-13-1992	
	38	5,426,747		Weinreb et al.	06-20-1995	
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	42	6,643,654		Patel et al.	11-04-2003	
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	45	5,568,629		Gentry et al.	10-22-1996	

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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				Art Unit	2161
				Examiner Name	Leroux, Etienne Pierre
				Attorney Docket Number	112056-0138U
Sheet	4	of	12		

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		Country Code ² —Number ⁴ —Kind Code ⁵ (if known)				
	49	WO 89/10594	11-02-1989	Krakauer, Arno		

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				Examiner Name	Leroux, Etienne Pierre
Sheet	5	of	12	Attorney Docket Number	112056-0138U

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	50	Administration Guide found at http://www.openafs.org/pages/doc/AdminGuide/auaqd010.htm , visited on 3/2/2005	
	51	BASILICO, ET AL., <i>Error Correction System Using "Shadow Memory,"</i> IBM Technical Disclosure Bulletin, May 1984, pp. 5792-5793	
	52	BITTON, DINA, <i>Disk Shadowing</i> , Proceedings of the 14 th VLDB Conference, LA, CA (1988)	
	53	BLASGEN, M.W. ET AL., <i>System R: An architectural Overview</i> , Reprinted from IBM Systems Journal Vol. 20, no. 1, 1981©1981, 1999	
	54	BORENSTEIN, NATHANIEL S., <i>CMU's Andrew project a retrospective</i> , Communications of ACM, (39)12, December 1996	
	55	BROWN, MARK R. ET AL., <i>The Alpine file system</i> , ACM Transactions on Computing Systems, 3(4):261--293, November 1985	
	56	CHEN, PETER M., ET AL., <i>An Evaluation of Redundant Arrays of Disks Using an Amdahl 5890 Performance Evaluation</i> , pp. 74-85, 1990	
	57	CHUTANI, SAILESH, ET AL., <i>The Episode file system</i> , In Proceedings of the USENIX Winter 1992	
	58	CLARK, B.E., ET AL., <i>Application System /400 Performance Characteristics</i> , IBM Systems Journal, 28(3): 407-423, 1989	
	59	Data Sheet for the Check Point Software Technologies product Flood-Gate-1 (1997)	
	60	DIBBLE, PETER C., ET AL., <i>Beyond Striping: The Bridge Multiprocessor File System</i> , Computer Science Department, University of Rochester, Aug. 11, 1989	
	61	DOUGLIS, FRED, ET AL., <i>A comparison of two distributed systems: Amoeba and Sprite</i> - Computing Systems, 4(4), Fall 1991, pp. 353-385 {copy of article I have has no date or cite}	
	62	GAIT, JASON, <i>Phoenix: A Safe In-Memory File System</i> . Communications of the ACM, 33(1):81--86, January 1990	
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	64	HITZ, DAVE ET AL., <i>File System Design for an NFS File Server Appliance</i> , Technical Report 3002, Rev. C395, presented Jan. 19, 1994, pp. 1-23	
	65	HITZ, DAVID, ET AL. <i>System and Method for Enabling a Storage System to Support Multiple Volume Formats Simultaneously</i> , USPTO Provisional Patent Application Serial No. 60/652,626. 02-14-2005	
	66	HOWARD, JOHN H, ET AL. <i>Scale and Performance in a Distributed File System</i> , Carnegie Mellon University, CMU-ITC-87-068, Aug. 5, 1987	
	67	HOWARD, JOHN, H. ET AL., <i>Scale and performance in a distributed file system</i> , ACM Trans. Computer. System., 6(1), Feb. 1988 pp. 51-81	
	68	HOWARD, JOHN H., <i>An Overview of the Andrew File System</i> , Carnegie Mellon University, CMU-ITC-88-062	
	69	<u>The IBM System/38</u> , Chapter 8, pp. 137-15	
	70	ISOMAKI, MARKUS, <i>Differentiated Service for the Internet</i> , Department of Technical Physics and Mathematics, May 9, 1998	
	71	KAZAR, MICHAEL L., ET AL., <i>Decorum File System Architectural Overview</i> , USENIX Summer Conference, Anaheim, California, 1990	
	72	LOMET, DAVID., ET AL., <i>The performance of a multiversion access method</i> , ACM SIGMOD International Conference on Management of Data, 19:353-363	
	73	LORIE, RAYMOND, A, <i>Physical integrity in a large segmented database</i> , ACM Trans. Database Systems, (2)1: 91-104, March 1977	
	74	LORIE, RA, <i>Shadow Page Mechanism</i> , IBM Technical Disclosure Bulletin, June 1986, pp. 340-342	
	75	MCKUSICK, MARSHALL KIRK, ET AL., <i>A Fast File System for UNIX</i> , Computer Science Division, Department of Electrical Engineering and Computer Sciences, Univ. of CA, Berkley, Feb. 18, 1994	
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	77	MOONS, HERMAN ET AL., <i>Location-Independent Object Invocation in Open Distributed Systems</i> , Autumn 1991 EurOpen Technical Conference and Exhibition, pp. 287-300 (September 16-20, 1991)	

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	78	MORRIS, JAMES H., Et Al, <i>Andrew: A Distributed Personal Computing Environment</i> , Comm. of the ACM, vol. 29, March 1986, pp 184-201	
	79	MULLENDER, SAPE J., ET AL., <i>A distributed file service based on optimistic concurrency control</i> , ACM Symposium on Operating System Principles (Orcas Island, Washington). Published as Operating Systems Review, 19(5):51-62, December 1985	
	80	MULLER, KEITH, ET AL., <i>A High Performance Multi-Structured File System Design</i> , In Proceedings of the 13th ACM Symposium on Operating Systems Principles, October 1991, pp. 56-67	
	81	MOONS, HERMAN ET AL., <i>Location-Independent Object Invocation in Open Distributed Systems</i> , Autumn 1991 EurOpen Technical Conference and Exhibition, pp. 287-300 (September 16-20, 1991)	
	82	MORRIS, JAMES H., Et Al, <i>Andrew: A Distributed Personal Computing Environment</i> , Comm. of the ACM, vol. 29, March 1986, pp 184-201	
	83	MULLENDER, SAPE J., ET AL., <i>A distributed file service based on optimistic concurrency control</i> , ACM Symposium on Operating System Principles (Orcas Island, Washington). Published as Operating Systems Review, 19(5):51-62, December 1985	
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	85	OUSTERHOUT, JOHN K. ET AL., <i>The Sprite Network Operating System</i> , Computer Science Division, Department of Electrical Engineering and Computer Sciences, Univ. of CA, Berkley, Nov. 19, 1987	
	86	OUSTERHOUT, JOHN ET AL., <i>Beating the I/O Bottleneck: A Case for Log-Structured File Systems</i> , Technical Report, Computer Science Division, Electrical Engineering and Computer Sciences, University of California at Berkeley, October 30, 1988	
	87	OUSTERHOUT, JOHN, <i>Why Aren't Operating Systems Getting Faster as Fast as Hardware?</i> , Digital WRL Technical Note TN-11, October 1989	
	88	OUSTERHOUT, JOHN, <i>A Brief Retrospective On The Sprite Network Operating System</i> , found at http://www.cs.berkeley.edu/projects/sprite/retrospective.html , visited on 3/11/2005	
	89	PATTERSON, D., ET AL., <i>A Case for Redundant Arrays of Inexpensive Disks (RAID)</i> , Technical Report, CSD-87-391, Computer Science Division, Electrical Engineering and Computer Sciences, University of California at Berkeley (1987)	
	90	PATTERSON, D., ET AL., <i>A Case for Redundant Arrays of Inexpensive Disks (RAID)</i> , SIGMOD International Conference on Management of Data, Chicago, IL, USA, 1-3 June 1988, SIGMOD RECORD (17)3:109-16 (Sept. 1988)	
	91	PETERSON, ZACHARY NATHANIEL JOSEPH, <i>Data Placement for Copy-on-Write Using Virtual Contiguity</i> , University of CA, Santa Cruz, Master of Science in Computer Science Thesis, September 2002	

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	92	QUINLAN, SEAN, <i>A Cached WORM File System</i> , Software-Practice and Experience, 21(12):1289-1299 (1991)		
	93	Redundant Array of Independent Disks, from Wikipedia, the free encyclopedia, found at http://en.wikipedia.org/wiki/RAID , visited on 3/9/2005		
	94	ROSENBERG, J., ET AL., <i>Stability in a Persistent Store Based on a Large Virtual Memory</i> , In Security and Persistence, Rosenber, J. & Keedy, J.L. (ed), Springer-Verlag (1990) pp 229-245		
	95	ROSENBLUM, MENDEL, ET AL., <i>The LFS Storage Manager</i> , Computer Science Division, Electrical Engin. And Computer Sciences, Univ. of CA, presented at Summer '90 USENIX Technical Conference, Anaheim, CA June 1990		
	96	ROSENBLUM, MENDEL, ET AL, <i>The Design and Implementation of a Log-Structured File System</i> July 24, 1991 pp1-15.		
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	98	SANDBERG, RUSSEL ET AL., <i>Design and implementation of the Sun Network Filesystem</i> . In Proc. Summer 1985 USENIX Conf., pages 119--130, Portland OR (USA), June 1985		
	99	SANTRY, DOUGLAS S., ET AL., <i>Deciding When to Forget in the Elephant File System</i> , Operating Systems Review, 34(5), (Dec. 1999) pp.110-123		
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	101	SATYANARAYANAN, M., <i>A survey of distributed file-systems</i> . Annual Review of Computing Science, 4(73--104), 1989		
	102	SATYANARAYANAN, M., ET AL, <i>Coda: A highly available file system for a distributed workstation environment</i> Carnegie Mellon University, CMU-ITC		
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	105	SIDEBOTHAM, BOB, <i>Volumes: The Andrew File System Data Structuring Primitive</i> , EEUG Conference Proceedings, Manchester, UK, Autumn 1986		

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	106	User Guide found at http://www.openafs.org/pages/doc/UserGuide/auusg004.htm , visited on 3/2/2005	
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	109	WITTLE, MARK, ET AL, <i>LADDIS: The next generation in NFS file server benchmarking</i> , USENIX Association Conference Proceedings, April 1993.	

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	123	KEMPER, ALFONS, ET AL., <i>Performance Tuning for SAP R/3</i> , Data Engineering Journal 22, 2 1999 pp. 33-40.	
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